

Patent Abstracts of Japan

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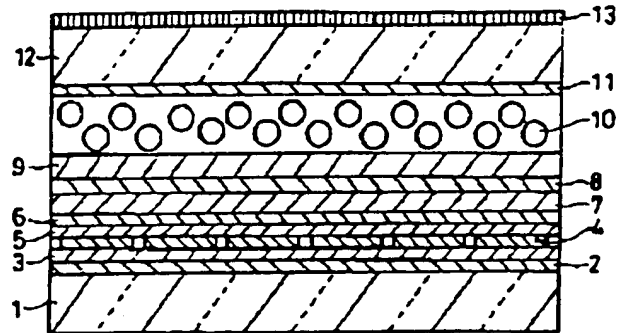
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TITLE : HIGH POLYMER-LIQUID CRYSTAL
COMBINED DISPLAY ELEMENT



ABSTRACT : PURPOSE: To obtain a high polymer-liquid crystal combined display element which has high resolution and high contrast and is usable in a bright place as well.

CONSTITUTION: A photoconductive layer 7, a light shielding layer 8, a reflection layer 9 and a high polymer-liquid crystal combined layer 10 are successively formed between transparent electrodes 6 and 11. The other surface of the one transparent electrode 6 is provided with a light emitting layer 3 held by transparent row electrodes 4 and column electrodes 2 via a transparent solid layer 5. The light from the regions where the light emitting layer 3 emits light is made incident on the photoconductive layer 7, by which the photoconductive layer 7 is exposed in correspondence to the light emission patterns of the light emitting layer 3. The voltage above the threshold is impressed in the regions corresponding to the exposing patterns of the photoconductive layer 7 in the high polymer-liquid crystal combined layer 10 between the transparent electrodes 6 and 11 and, therefore, the orientation of the liquid crystals is eventually generated.

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